

WIND.

The *prevailing winds* for May, 1895, viz, those which were recorded most frequently, are shown in Table I for the regular Weather Bureau stations.

The *resultant winds*, as deduced from the personal observations made at 8 a. m. and 8 p. m., are given in Table IX. These latter resultants are also shown graphically on Chart II, where the small figure attached to each arrow shows the number of hours that this resultant prevailed, on the assumption that each of the morning and evening observations represents one hour's duration of a uniform wind of average velocity; these figures indicate the relative extent to which winds from different directions counterbalanced each other.

Maximum wind velocities of 50 miles or more per hour were reported at regular stations of the Weather Bureau as follows (maximum velocities are averages for five minutes; extreme velocities are gusts of shorter duration, and are not given in this table):

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
		<i>Miles</i>				<i>Miles</i>	
Amarillo, Tex.	10	58	n.	El Paso, Tex.	30	50	sw.
Do.	15	58	n.	Do.	31	52	nw.
Do.	24	54	s.	Huron, S. Dak.	14	51	se.
Do.	30	52	s.	Do.	14	50	se.
Fort Canby, Wash.	3	56	s.	Kittyhawk, N. C.	22	50	ne.
Do.	6	55	s.	Moorhead, Minn.	23	51	se.
Do.	7	56	s.	Do.	27	54	se.
Do.	26	54	s.	Pueblo, Colo.	30	54	n.
Chicago, Ill.	18	50	n.	Williston, N. Dak.	14	50	nw.
Des Moines, Iowa	13	50	sw.	Winnemucca, Nev.	26	58	sw.
Dodge City, Kans.	28	50	s.				

LOCAL STORMS.

Destructive or severe local storms were reported as follows:

1st.—Near Halstead, Kans., tornado about 4.30 p. m.; 11 persons killed, 12 or more injured. Patterson, Nebr., tornado, funnel-shaped cloud; 8 persons killed. Near Steffenville, Mo., thunderstorm. Furnas County, Nebr., hailstorm.

2d.—Hillsboro, Wis., thunderstorm. Humbird, Minn., windstorm.

3d.—La Crosse, Wis., Marshall and Sibley, and several places in Clinton County, Iowa, thunderstorms. Langdon, Mo., and College Springs, Iowa, hailstorms. [See page 173.]

4th.—North Bridgeton, Me., Boston, Mass., Hannibal, Mo., and Delavan, Wis., thunderstorms.

5th.—Little Rock, Ark., thunderstorm. Dayton, Tenn., windstorm. Ashton, Ill., thunderstorm; horse killed by

lightning. Peoria, Princeton, Harvard, and Galesburg, Ill., thunderstorms.

6th.—Hale County, Ala., and Omaha, Nebr., hailstorms.

7th.—Middlesex, N. Y., rainstorm. Gadsden, Ala., thunderstorm. Near Emilie, La., thunderstorm; 1 person killed by lightning. Clinton, Iowa, hailstorm. Toronto, Kans., and St. Cloud, Minn., thunderstorms.

8th.—Newtonville, N. Y., thunderstorm; 6 horses killed by lightning. Atlanta, Ga., thunderstorm; 3 persons injured by lightning. Pensacola, Fla., Sidney, Ohio, and Detroit, Mich., thunderstorms. Yates Center, Kans., thunderstorm; 3 horses killed by lightning.

9th.—Mobile, Ala., thunderstorm. Hermansville, Miss., windstorm. Duluth, Minn., thunderstorm, 2 miles out on the bay; 2 men were killed and 2 were injured by lightning.

10th.—Malone, N. Y., thunderstorm. Williamsport, Md., windstorm. Columbus, Ohio, thunderstorm; 1 person stunned and 2 horses killed by lightning. Fostoria, Ohio, and Hesperia, Mich., thunderstorms; stock killed by lightning. Clear Lake, Minn., and Keokuk, Iowa, thunderstorms.

11th.—Rochester, Elmira, and Silver Springs, N. Y., hailstorms. Erie, Pa., and North Hammond, N. Y., thunderstorms. Hanover, Pa., thunderstorm; 1 person killed by lightning. Columbus, Ohio, thunderstorm; 1 person stunned by lightning. Ravenna and Ashtabula, Ohio, thunderstorms.

13th.—Chattanooga, Tenn., windstorm. Rugby, Tenn., thunderstorm; stock killed by lightning. Port Angeles, Wash., windstorm.

14th.—Van Alstyne, Tex., thunderstorm.

16th.—Near Abilene, Tex., hailstorm. Headsville, Tex., thunder and rain storm; child drowned. San Antonio, Tex., windstorm; several persons injured.

20th.—Near Lynchburg and Crewe, Va., hailstorms. Ashland, Va., windstorm.

21st.—El Paso, Tex., thunderstorm.

22d.—Rockport, Tex., thunderstorm.

24th.—Moulton, Tex., thunderstorm. Roscoe, Nebr., thunderstorm; one person killed by lightning.

25th.—Near Denton, Tex., windstorm. Galva, Ill., thunderstorm. Kemp, Ind. T., windstorm; stock killed. Paradise, Nev., windstorm.

26th.—Friendship, N. Y., thunderstorm.

27th.—Independence, Cal., windstorm.

28th.—Minneapolis, Minn., thunderstorm. Greenfield and Spencer, Iowa, and Medicine Lodge, Kans., windstorms.

30th.—Chapman, Nebr., windstorm. Santa Fe, N. Mex., snowstorm.

31st.—Norwalk, Conn., thunderstorm.

ATMOSPHERIC ELECTRICITY.

Numerical statistics relative to auroras and thunderstorms are given in Table X, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

The dates on which reports of thunderstorms for the whole country were most numerous were: 1st, 173; 2d, 140; 3d, 142; 4th, 179; 5th, 169; 6th, 216; 7th, 228; 8th, 174; 10th, 180; 11th, 171; 26th, 108.

Thunderstorm reports were most numerous in: Ohio, 236; Wisconsin, 166; Texas, 102; Florida, 156; Illinois, 143; Iowa, 142; Louisiana, 151; Minnesota, 154; Missouri, 243.

Thunderstorms were most frequent in: Tennessee, where

they were reported on twenty-one days; Texas, twenty-four days; Wisconsin, twenty-three days; Florida, twenty-four days; Iowa, twenty-three days; Missouri, twenty-five days.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz, from the 4th to the 12th, inclusive. On the remaining twenty-two days of this month 60 reports were received, or an average of about three per day. The dates on which the reported number especially exceeded this average were: 28th (9) and the 29th (10).

Auroras were reported by a large percentage of observers in: North Dakota, 33.